Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A scanning device for radiographic media comprising:

(a) a rotatable vacuum drum comprising an external surface, and wherein the drum rotates about a longitudinal axis;

(b) a radiographic media disposed on the external surface;

(c) a moveable scan bar mounted on a first and second translation rod adjacent the drum;

(d) at least a first scan module and a second scan module mounted on the moveable scan bar;

(e) a translation drive connected to the moveable scan bar for moving the moveable scan bar ~~perpendicular~~ parallel to the longitudinal axis;

(f) an analog to digital converter in communication with the scan modules for receiving scanned signals from the scan modules;

(g) a control process unit for receiving scanned signals; and

(h) an output device for writing the received scanned signals onto diagnostic media.

2. (original) The device of claim 1, wherein the drum rotates between 100 and 1000 rpm around the longitudinal axis.

3. (original) The device of claim 1, wherein the radiographic media is a phosphor sheet.

4. (original) The device of claim 1, wherein the moveable scan bar is a rectangular metal structure mounted on the rods and adapted for quick translational movement along the scan bar.

5. (original) The device of claim 1, wherein each scan module comprises:

(a) a housing comprising a channel; a cylindrical center chamber in communication with the channel comprising a mirrored surface; a first opening communicating with the cylindrical chamber; and a second opening communicating with the cylindrical chamber;

(b) a laser is disposed in the housing and adapted to generate a beam of stimulating electromagnetic radiation through the channel and the first opening to stimulate an area of the photo-stimulatable radiographic media, and wherein the stimulated area emits light and reflected light to enter the first opening and the cylindrical chamber;

(c) a light detector disposed in the second opening for receiving light emitted and reflected into the cylindrical chamber; and

(d) a filter disposed at the second opening of the housing for selectively passing only the emitted light from the stimulated area of the photo-stimulatable radiographic media to the light detector.

6. (original) The device of claim 5, wherein the cylindrical center chamber is elliptical.

7. (original) The device of claim 5, wherein the radiographic media is a phosphor sheet.

8. (original) The device of claim 5, wherein the laser is a multimode, 635 nanometer, 100 mW, or a single mode 635 nanometer, 100 mW laser.

9. (original) The device of claim 5, wherein the filter is a blue filter.

10. (original) The device of claim 5, wherein the housing is a plastic, a polycarbonate, a composite, or a metal.

11. (original) The device of claim 5, wherein the housing is a molded one-piece construction.

12. (currently amended) ~~The device of claim 5~~ A scanning device for radiographic media comprising:

(a) a rotatable vacuum drum comprising an external surface, and wherein the drum rotates about a longitudinal axis;

(b) a radiographic media disposed on the external surface;

(c) a moveable scan bar mounted on a first and second translation rod adjacent the drum;

(d) at least a first scan module and a second scan module mounted on the moveable scan bar, each scan module comprises:

(1) a housing comprising a channel; a cylindrical center chamber in communication with the channel comprising a mirrored surface, wherein the mirrored surface is an elliptical reflector comprising an overall length between 15 mm and 30 mm and a degree of curvature of the resulting chamber between 20 degrees and 30 degrees; a first opening communicating with the cylindrical chamber; and a second opening communicating with the cylindrical chamber;

(2) a laser is disposed in the housing and adapted to generate a beam of stimulating electromagnetic radiation through the channel and the first opening to stimulate an area of the photo-stimulatable radiographic media, and wherein the stimulated area emits light and reflected light to enter the first opening and the cylindrical chamber;

(3) a light detector disposed in the second opening for receiving light emitted and reflected into the cylindrical chamber; and

(4) a filter disposed at the second opening of the housing for selectively passing only the emitted light from the stimulated area of the photo-stimulatable radiographic media to the light detector;

(e) a translation drive connected to the moveable scan bar for moving the moveable scan bar parallel to the longitudinal axis;

(f) an analog to digital converter in communication with the scan modules for receiving scanned signals from the scan modules;

(g) a control process unit for receiving scanned signals; and

(h) an output device for writing the received scanned signals onto diagnostic media.

13. (original) The device of claim 1, wherein the control process unit is a computer.

14. (original) The device of claim 1, wherein the output device is a film writer or display.

Claims 15-19 (cancelled)